

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of the claims in the application.

Claims 1-22 (Cancelled)

Claim 23. (Currently Amended) Method to promote the regeneration of the cells in the bone marrow and the peripheral blood of a patient subjected to a chemotherapeutic antineoplastic treatment comprising administration to said patient of an effective amount of an antineoplastic agent that causes an acute reduction of said cells, said method comprising administration of laminarin to the patient in an amount effective to cause promotion of the regeneration of the cells, the laminarin being administered in conjunction with the administration of the neoplastic agent, wherein said laminarin :

- has a molecular weight from about 2,500 to about 6,000, and
- consists essentially of a main linear chain of 15 to 35 glucopyranose units joined by β -(1,3) linkages optionally branched with glucopyranose units linked to the main chain by β -(1,6) linkages, the terminal unit of the main chain being selected from the group consisting of glucose and mannitol.

Claim 24. (Previously presented) Method according to claim 23 wherein the antineoplastic agent is cyclophosphamide.

Claim 25. (Previously presented) Method according to claim 23 wherein the laminarin is administered orally, intravenously or intraperitoneally.

Claim 26. (Previously presented) Method according to claim 24 wherein laminarin is administered orally, intravenously or intraperitoneally.

Claim 27. (Previously presented) Method according to claim 23 wherein laminarin

is administered before, simultaneously with or after the antineoplastic agent.

Claim 28. (Previously presented) Method according to claim 24 wherein laminarin is administered before, simultaneously with or after cyclophosphamide.

Claim 29. (Previously presented) Method according to claim 23 wherein laminarin is soluble laminarin.

Claim 30. (Previously presented) Method according to claim 24 wherein laminarin is soluble laminarin.

Claim 31. (Previously presented) Method according to claim 25 wherein laminarin is soluble laminarin.

Claim 32. (Previously presented) Method according to claim 26 wherein laminarin is soluble laminarin.

Claim 33. (Previously presented) Method according to claim 27 wherein laminarin is soluble laminarin.

Claim 34. (Previously presented) Method according to claim 28 wherein laminarin is soluble laminarin.